

TRI-STATE WEBINAR SERIES

Improving Interprofessional Collaborations between School and Clinical/Health Contexts

Presented by:
Bryn Harris, PhD



Tri-State Autism Spectrum Disorder Webinar Series



This material was developed under a grant from the Colorado Department of Education. The content does not necessarily represent the policy of the U.S. Department of Education, and you should not assume endorsement by the Federal Government.

The content of this material was developed under an agreement from the Federal Department of Education to the Kansas Department of Education. However, those contents do not necessarily represent the policy of the Department of Education, and you should not assume endorsement by the Kansas Department of Education or the Federal Government.

The contents of this power point presentation were developed under a grant from the Nebraska Department of Education, IDEA parts B and C from the U.S. Department of Education. However, this content does not necessarily represent the policy of the U.S. Department of Education and you should not assume endorsement by the Federal Government.

Presenter Information

- Bryn Harris, PhD, NCSP
 - Associate Professor - University of Colorado Denver
 - School of Education and Human Development & Department of Pediatrics (Developmental Pediatrics)
 - Background:
 - PhD - Indiana University
 - Internship - Health Science Center in Memphis, TN
 - Licensed Psychologist (CO) and School Psychologist (CO)
 - Bilingual in Spanish
 - Practicing School Psychologist (part-time) - Denver Public Schools
 - Research focuses on identification of ASD in culturally and linguistically minoritized populations



Learner Objectives

- Understand key service providers in clinical and health settings that often serve children and families with Autism
- Learn research-based strategies for collaborating and aligning with clinical and health providers that will improve school-based assessment and intervention effectiveness
- Recognize common disparities in service provision across systems and how to prevent such challenges and improve coordinated care for children with Autism

Diagnosis of Autism Spectrum Disorder

- 1 in 44 children has ASD (Autism and Developmental Disabilities Monitoring Network, 2021)
- There is no single genetic, behavioral, or physiological marker that distinguishes children with ASD
- Advances in early screening and identification - 18 months old a recommendation (American Academy of Pediatrics, 2020)
- Average age of diagnosis is 4-5 years old (Autism and Developmental Disabilities Monitoring Network, 2021)



ADDM Data – National Disparities (ADDM, 2020)

- Overall, children that are White are 1.2x more likely to receive an ASD identification than Hispanic Children
- In past surveillance years, Black children were also less likely to obtain an ASD identification although no significant differences were found in 2018
- Children from culturally and linguistically minoritized (CLM) groups are, on average, misdiagnosed more often and identified later than non-Hispanic White children (Mandell et al., 2009; Baio et al., 2018)

Bottom Line

This research suggests that professionals are missing behavioral indicators of ASD in CLM children, especially Latinx and Black children; thus, these children are unlikely to receive the appropriate interventions to address ASD symptomatology.

Interprofessional collaboration can improve health disparities!

COVID-19 Considerations

- Disparities have been exacerbated, although were always there
- Access to services is fractured
- These disparities will persist

Common Co-occurring Medical Diagnoses with ASD

- Epilepsy
 - Gastrointestinal issues
 - Sleep challenges
 - Feeding disorders
-
- Each of these can impact educational performance

Question #1

- What does interprofessional collaboration mean to you, in your own context?

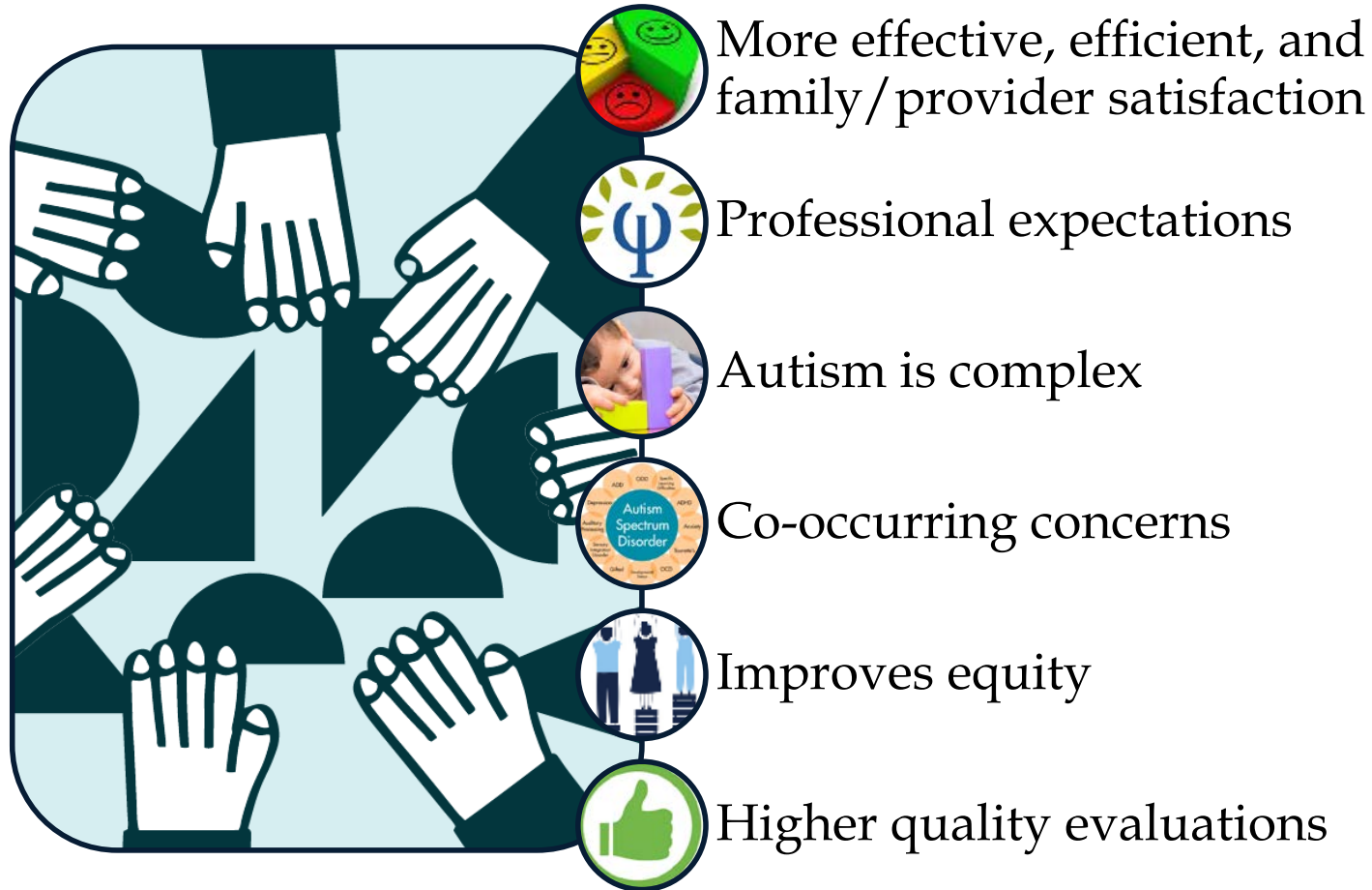


Interprofessional Collaboration (IPC): Professionals from different disciplines work together and learn from each other during service provision

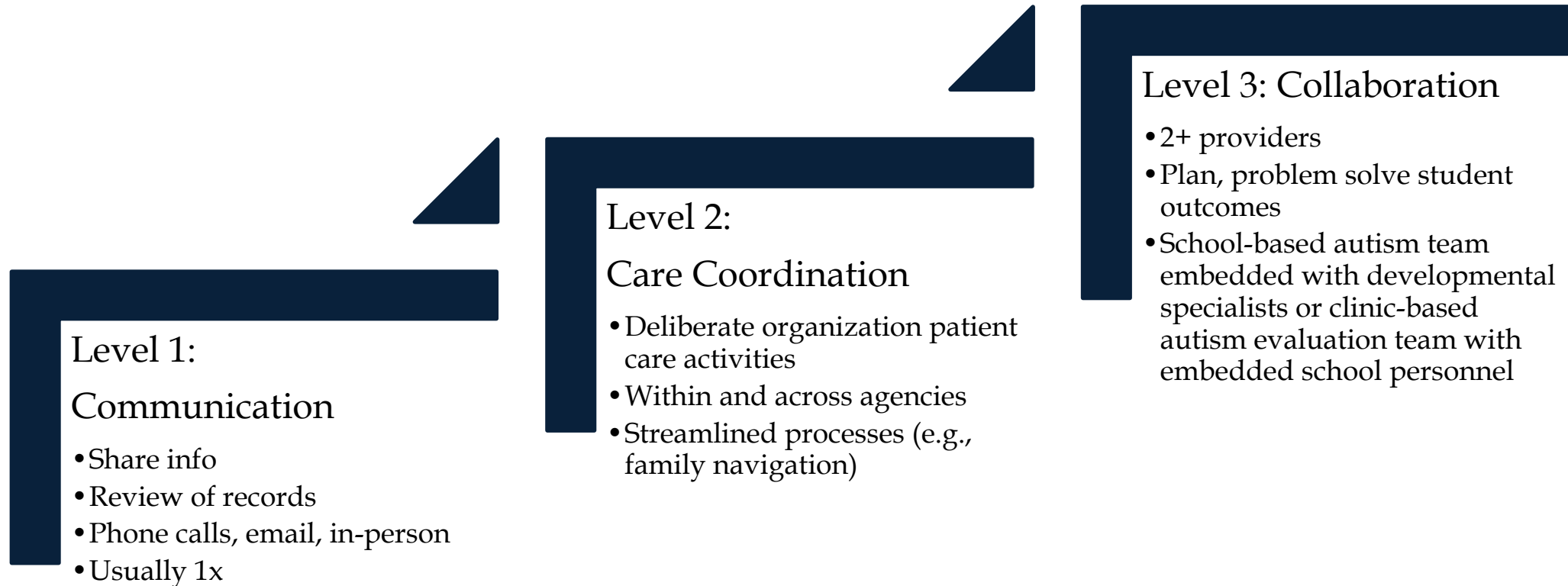
Interagency Collaboration (IAC): Professionals from different agencies collaborate during service provision

Interprofessional Interagency Collaboration (IIC): Professionals from different disciplines *and* agencies collaborate during service provision

Why Collaborate?



Levels of Collaboration



Important Professionals in Autism Evaluations

Table 2 Outside disciplines in which school psychologists engage in collaborations

Disciplines	Across regions				Across participants		
	West	South	Midwest	Northeast	χ^2	<i>p</i> -values	
	<i>n</i> = 87	<i>n</i> = 36	<i>n</i> = 65	<i>n</i> = 15			
	<i>n</i> (%)	<i>n</i> (%)	<i>n</i> (%)	<i>n</i> (%)			<i>n</i> (%)
Audiologists	13 (54.2)	3 (12.5)	6 (25)	2 (8.3)	1.68	0.64	24 (11.8)
Behavior therapists	52 (46.4)	13 (11.6)	36 (32.1)	11 (9.8)	8.03	0.045*	112 (55.2)
Clinical/counseling psychologists	36 (39.6)	8 (8.8)	36 (39.6)	11 (12.1)	15.71	0.001**	91 (44.8)
Family practitioners	22 (51.2)	6 (14)	12 (27.9)	3 (7)	1.62	0.655	43 (21.2)
Medical doctors	13 (34.2)	5 (13.2)	15 (39.5)	5 (13.2)	4.28	0.232	38 (18.7)
Primary care physicians/nurse practitioners	23 (51.1)	6 (13.3)	14 (31.1)	2 (4.4)	2.24	0.523	45 (22.2)
Psychiatrists	29 (41.4)	10 (14.3)	20 (28.6)	11 (15.7)	11.19	0.011*	70 (34.5)
Registered dietitians	2 (66.7)	0 (0)	1 (33.3)	0 (0)	1.17	0.76	3 (1.05)
Occupational/physical therapists	44 (46.3)	12 (12.6)	31 (32.6)	8 (8.4)	3.4	0.334	92 (45.3)
Social workers	28 (41.8)	6 (9)	25 (37.3)	8 (11.9)	8.05	0.045*	67 (33.0)
Speech and language pathologists	51 (49W.0)	14 (13.5)	31 (29.8)	8 (7.7)	4.45	0.217	104 (51.2)
Other	3 (75.0)	1 (25.0)	0 (0)	0 (0)	2.71	0.438	4 (2.0)

*Significant at 0.05 level, **significant at 0.01 level

Barriers

School

- Community provider school/SPED system knowledge
- Confidential records sharing
- Difficulties accessing community supports

Community

- Administration
- Time
- Reimbursement
- School provider autism expertise
- Community provider school/SPED system knowledge
- Confidential records sharing

Facilitators

School

- Valuing shared decision-making
- Establish collaboration methods
- Community provider school/SPED system knowledge

Community

- Administration supports
- Easy information sharing
- Schedule coordination
- School provider training in autism
- Community provider school/SPED system knowledge

Question #2

- In your own context, what are your barriers and facilitators to interprofessional collaboration?

Successful Engagement: Training

Interprofessional Education Collaborative (IPEC) Core Competencies

1. Interprofessional teamwork and team-based practice
2. Roles and responsibilities for collaborative practice
3. Interprofessional communication practices
4. Values/ethics for interprofessional practice

Graduate training, especially practica experiences

Interprofessional education professional development

Increase autism evaluation skills

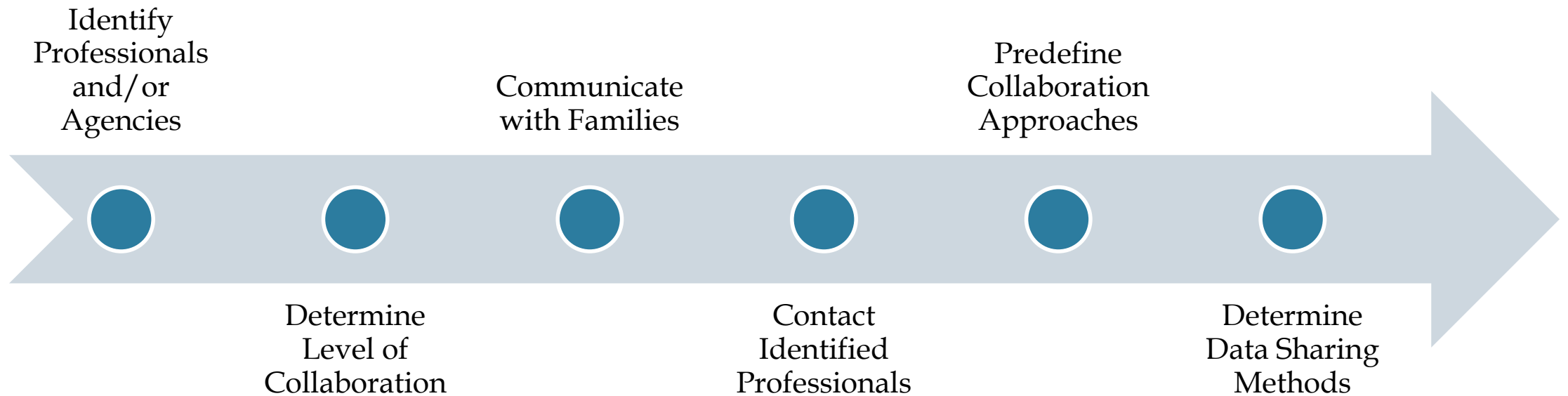
Strong understanding of the roles and contributions of different disciplines

Seek mentorship from more experienced professionals

TeamSTEPPS

- A specific training initiative in team-based care, TeamSTEPPS® 2.0, was developed by the Agency for Healthcare Research and Quality (AHRQ, n.d.) of the US Department of Health and Human Services.
- Evidence-based communication framework commonly used in medical schools and healthcare settings nationally for training in team structure, communication, leadership, situation monitoring, and mutual support
- Efforts are currently underway to adapt TeamSTEPPS for school mental health teams (see Wolk et al., 2019)

Successful Engagement: Steps



Know your contexts!

- Community resources
- Community supports
- Populations in your community
- Needs within your community

Families

- Most important!
- A thorough understanding of the child's development is important!
- Families are the experts, how are you ensuring they have this place within your team?

Collaboration with Pediatricians

- Specific to collaborations with medical professionals, although physicians report a desire for more contact with schools in clinical decision-making, only 31 % reported receiving information from schools (HaileMariam et al., 2002).
- Often the first provider that the family sees that monitors concerns
- Screening data is useful
- Aligning services across sectors
- Helping pediatricians understand family rights

Collaboration with Early Intervention

- Health disparities and social determinants of health have a greater impact on younger children, particularly those that are between the ages of 0–5 years (Office of Disease Prevention and Health Promotion, 2021)
- Highly family-focused
- Intervention often completed in the home, increasing effectiveness of implementation
- Team approach to intervention planning

Transition from Part C to Part B

- Families often report the least amount of satisfaction with this process, they often report feeling as if they are losing services and individualization
- Transition meetings can allow families to share information about their child and learn more about their goals
- Home-school relationships can improve with better transition planning

Transition Services

- Between schools
 - Approaching graduation
 - Vocational supports
 - Medical waivers
-
- Many adolescents with ASD who transition to adulthood are at an increased risk of developing multiple health problems, mental illness, and behavioral problems (Cheak-Zamora & Teti, 2015)

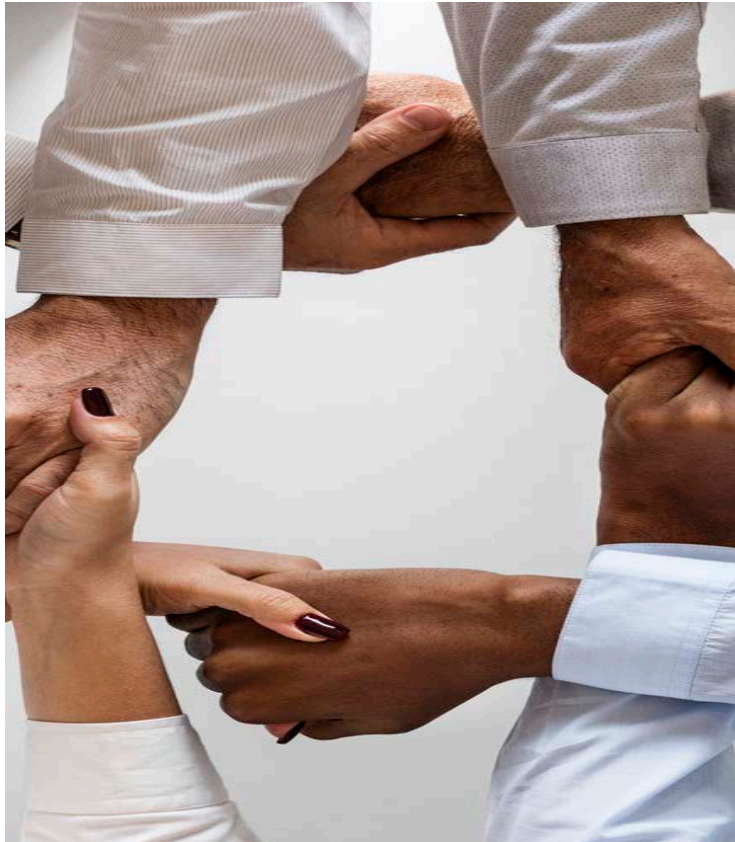
School-Based Health Centers

- Underutilized!
- Can be a community gathering place and resource center
- Schools are more likely to be seen as family-serving instead of student-only serving
- What services are available for children with ASD in SBHC in your contexts? Learn more!

Sharing information

- Importance of FERPA and HIPPA compliance
- **Recommended Resource:**
- *Legal Guide to School Health Information and Data Sharing in Colorado*, HSPF Learning Collaborative (2019)

Potential Collaborators



- Other resources: school psychologists, SLPs, nutritionists, OT, PT, ABA therapists, state department of education, professional associations, etc.
- I want you to think about your own contexts – Who would you like to collaborate with when you are working children and families impacted by ASD?

Question #3

- Of the potential collaborators discussed, which three would be the most successful collaborations and why? Of the remaining groups, which ones would you like to develop new collaborations? What steps will you conduct this month and in the next year to advance these collaborations?

Conclusion

- Involvement in and the promotion of interprofessional collaboration has the potential to improve coordination and efficiency of services; reduce disparities; and improve educational, health, and developmental outcomes for children, youth, and families

References

- Azad, G., McClain, M. B., Haverkamp, C., Maxwell, B., & Shahidullah, J. D. (2021). Interagency collaboration for pediatric autism spectrum disorder: Perspectives of community-based providers. *Journal of Interprofessional Education & Practice*, 100433.
- Beers, A. N., McBoyle, M., Kakande, E., Santos, R. C. D., & Kozak, F. K. (2014). Autism and peripheral hearing loss: a systematic review. *International Journal of Pediatric Otorhinolaryngology*, 78(1), 96-101.
- Gardner, L., Campbell, J.M., Gilchrest, C., McClain, M.B., & Shahidullah, J.D. (in press). Identification of autism spectrum disorder and interprofessional collaboration between school and clinical settings. *Psychology in the Schools*.
- McClain, M. B., Shahidullah, J. D., Harris, B., McIntyre, L. L., & Azad, G. (2021). Reconceptualizing educational contexts: The imperative for interprofessional and interagency collaboration in school psychology. *School Psychology Review*, 1-13.
- McClain, M. B., Shahidullah, J. D., Mezher, K. R., Haverkamp, C. R., Benallie, K. J., & Schwartz, S. E. (2020). School-clinic care coordination for youth with ASD: A national survey of school psychologists. *Journal of autism and developmental disorders*, 50(9), 3081-3091.
- McClain, M. B., Shahidullah, J. D., & Mezher, K. R. (2020). *Interprofessional Care Coordination for Pediatric Autism Spectrum Disorder*. Springer International Publishing.
- Shahidullah, J. D., Azad, G., Mezher, K. R., McClain, M. B., & McIntyre, L. L. (2018). Linking the medical and educational home to support children with autism spectrum disorder: Practice recommendations. *Clinical pediatrics*, 57(13), 1496-1505.

THANK YOU!

Bryn Harris, PhD

bryn.harris@ucdenver.edu

